

September 5, 1978

Memo to File:

Re: Kennecott Copper Corp.
Bingham Mine
Salt Lake County, Utah
ACT/035/002

On August 7, 1978 Ron Daniels, Mike Minder, and Jim Smith were given a tour of Kennecott's revegetation efforts in the pit area by Ms. Pam Grubaugh.

The Copper Notch test area was planted in April 1978 and shows a 63% survival rate. The soil had an approximate pH of 5 with the only treatment being scarification. Tube pak plantings appeared to be doing better than the bare root plantings.

The Midas area was divided into two test plots and was planted in April 1976. One area had no soil amendments, only scarification, and showed a very limited success. The second area was treated with lime at a rate of 100 tons per acre and indicated a better success rate.

A list of species planted in 1978 and an inventory table for the test areas was also given to the Division.

JWS
JAMES W. SMITH JR.
RECLAMATION SOILS SPECIALIST

JWS/sp

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INVENTORY TABLE

Test Plots on Midas Dump

<u>Date of Inventory</u>	<u>Limed Area</u>	<u>Unlimed Area</u>	<u>Combined</u>
April 1976 (planted)	1,687 plants	785 plants	2,472 plants
July 14, 1976	914 (54%)	341 (43%)	1,255 (51%)
June 23, 1977	810 (48%)	223 (28%)	1,033 (42%)
July 25, 1978	723 (43%)	156 (20%)	879 (35%)

Originally, the areas in both test plots were divided into irrigated and non-irrigated areas. However, none of the areas have been irrigated since April 1976.

Test Plots on Copper Notch

<u>Date of Inventory</u>	<u>Containerized Plants</u>	<u>Bare Roots</u>	<u>Combined</u>
April 12, 1978 (planted)	1,072 plants	1,167 plants	2,239 plants
July 25, 1978 (inventory)	858 (80%)	551 (47%)	1,409 (63%)

Plants on Copper Notch
(Common Names)

Planted April 1978

NOT/035/002

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|----------------------------|------------------------|
| 1. Rabbit Brush | 21. Chokecherry |
| 2. Big Sage | 22. Nine Bark |
| 3. Wild Rose | 23. Nevada Ephedra |
| 4. Russian Olive | 24. Blue Elder |
| 5. Ephedra (Mormon Tea) | 25. Desert Bitterbrush |
| 6. Snowberry | 26. Snowbrush |
| 7. Sand Sage Brush | 27. Plum Cherry |
| 8. Stansbury Cliff Rose | 28. Cliff Rose |
| 9. Siberian Pea Shrub | 29. Sweet Vetch |
| 10. Douglas Hawthorne | 30. Bush Penstemon |
| 11. Peking Cotoneaster | 31. Squaw Carpet |
| 12. Serviceberry | 32. Deer Bush |
| 13. Fringed Sage | 33. Desert True |
| 14. Antelope Bitterbrush | 34. Siberian Pea Shrub |
| 15. Tatarian Honeysuckle | 35. Buck Bush |
| 16. Indigo Bush | 36. Peach Bush |
| 17. Saskatoon Serviceberry | 37. Globe Mallow |
| 18. Rocky Mountain Sumac | 38. Curvistamineum |
| 19. Squaw Apple | 39. Erigoneum Wyeth |
| 20. Cream Bush | |